



EOG Resources, Inc.
600 17th St, Suite 1000N
Denver, CO 80202
Main: (303) 572-9000

July 3, 2019

Claudia Smith
Environmental Protection Agency
U.S. EPA, Region 8
1595 Wynkoop Street, 8P-AR
Denver, CO 80202-1129

Re: EOG Resources, Inc. Clarks Creek 08 SESE Pad
Fort Berthold Indian Reservation, McKenzie County, ND
Part 1 Registration for Modifications at Existing True Minor Oil and Natural Gas Sources

EOG Resources, Inc. (EOG) is submitting a Part 1 registration application for a minor source modification at Existing True Minor Oil and Natural Gas Sources for the Clarks Creek 08 SESE Pad located on the Ft. Berthold Indian Reservation. This registration application was prepared to meet the requirements of the U.S. EPA Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector, 40 CFR Part 49 issued June 3, 2016.

The Clarks Creek 08 SESE 2 Pad is an expansion to the existing Clarks Creek 08 SESE facility, which includes the Clarks Creek 3-0805H and 15-0805H wells. The modification to the facility will include the addition of 2 new producing wells and natural gas fired Reciprocating Internal Combustion (RICE) driven compressors to provide gas lift for new and existing wells. The additional wells are scheduled to be completed and begin production beginning in October 2019.

EOG will submit an updated Part 2 registration package within 60 days of startup of the new or modified equipment.

Please contact me by phone at 303-262-9915 or email at mathew_oliver@eogresources.com with any questions you may have concerning this application.

Sincerely,

A handwritten signature in black ink, appearing to read "Mathew Oliver".

Mathew Oliver
Environmental Manager
EOG Resources, Inc. - Denver Division

Cc: R8airpermitting@epa.gov

energy opportunity growth

ED_004016P_00013055-00001

Part One: Oil & Gas Production Facility Registration

Clarks Creek 08 SESE Pad (Add Clarks Creek 41-0805H
& 42-0805H Wells, Gas Lift Compressor Engines)

McKenzie County, North Dakota

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1. Introduction

EOG Resources, Inc. (EOG) has prepared an air registration application for the modification of the facility known as the Clarks Creek 08 SESE Pad. The Facility is located on the Fort Berthold Indian Reservation in McKenzie County, North Dakota, and will extract oil and gas using horizontal drilling and hydraulic fracturing techniques. The facility modification will add one natural gas fired RICE to drive compression for produced gas. The latitude and longitude of the Facility locations are 47.9092 N and 102.7296 W respectively.

The Facility may consist of well head(s), a heater-treater separator(s), emission control device, crude oil and produced water storage tanks, and natural gas fired compressor engines.

This registration application was prepared to meet the requirements of the U.S. Environmental Protection Agency (EPA) for new and modified minor sources located in Indian country and the requirements of the Oil and Natural Gas Federal Implementation Program (FIP) for Indian Country (40 CFR Part 49) issued June 3, 2016.

In accordance with the requirements of §49.160(c)(1)(iv) this application includes the Part 1 Registration Form, presented in Appendix A, and is being submitted at least 30 days prior to the commencement of construction.

2. Process Description

Gas and liquids rise to the surface through the well head. The gas/liquid mixture enters a heater treater to separate the natural gas, crude oil, and produced water.

The crude oil and produced water will be temporarily stored in above ground storage tanks. Crude oil may be sent off-site via pipeline or hauled away by trucks. Produced water may be hauled away by truck for recycling and/or disposal. A control device may be used in the absence of a pipeline.

The compressor engines will be used to provide gas lift for the new and existing wells.

The Facility will be operational 8,760 hours/year.

3. Equipment Description

The Facility may consist of the equipment described below:

3.1 Separator/Heater Treater

The Facility may contain heater treater(s)/separator(s) for separation of multi-phase streams into individual components of crude oil, natural gas and produced water.

3.2 Tanks

The Facility may contain stable oil storage tanks and produced water storage tanks.

3.3 Control Device

The Facility may use a control device to control emissions from tanks. The Facility may use a control device to control emissions from treater gas and flashing if a pipeline is not installed. The control device will have a control efficiency of 98 percent.

3.4 Component Count

Component counts will be used to estimate fugitive emissions upon completion of construction.

3.5 Natural Gas Fired Compressor Engine

The Facility will install one or more natural gas fired compressor engines to provide gas lift to new and existing wells at the facility.

4. Endangered Species Information

The Facility is located in McKenzie County, North Dakota. Measures have been taken to ensure that the project does not adversely impact species listed by the U.S. Fish and Wildlife Service (USFWS) as threatened or endangered that may be present within the project area. The database maintained by the USFWS (<http://www.fws.gov/endangered/>) was consulted to identify species listed as threatened and endangered that have been documented as being present in the County. For those species identified as occurring in the County, a qualitative evaluation of the potential for habitats within the project area to support each of the species identified was conducted. This evaluation included types of habitats present, relative sizes of the habitats, and connectivity to other habitats. Based on this evaluation, it is concluded that the project does not destroy or adversely modify critical habitat for the species identified as occurring in the County.

The above conclusion is based on information provided in the USFWS database and readily available information on the habitats and cover types within the project area. Additional data will be collected if it is determined that threatened and endangered species are present within the project area or are negatively impacted by the project.

List of the endangered species found in the McKenzie County is provided below:

Site Location (County): McKenzie

Group	Name	Status
Bird	Whooping crane (<i>Grus americana</i>)	Endangered
Bird	Piping Plover (<i>Charadrius melodus</i>)	Threatened
Bird	Least tern (<i>Sterna antillarum</i>)	Endangered
Bird	Red knot (<i>Calidris canutus rufa</i>)	Threatened
Fish	Pallid sturgeon (<i>Scaphirhynchus albus</i>)	Endangered
Insect	Dakota Skipper (<i>Hesperia dacotae</i>)	Threatened
Mammal	Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	Endangered

5. National Historic Preservation Act Analysis

A desktop search of cultural resources in the Facility area has been completed. The results of National Register of Historic Places records search shows there are no historic properties located at the Facility and therefore no historic properties will be affected by the modification to the Facility. (<https://www.nps.gov/nr/research/>)

6. Potentially Applicable Federal Regulations

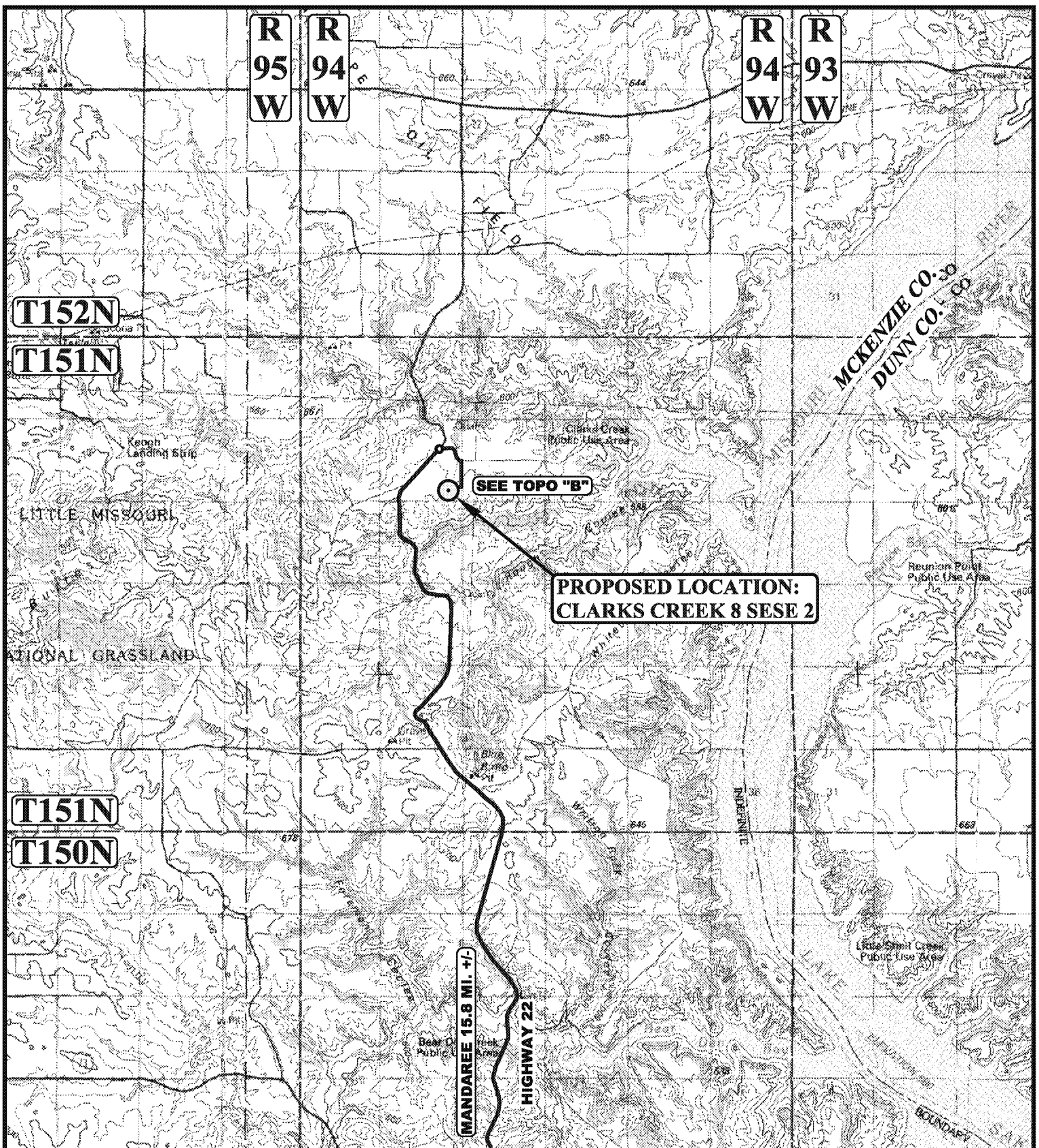
The Oil and Natural Gas FIP for Indian Country requires owners/operators of new and modified existing sources in the oil and natural gas production and processing segments to comply with the eight Federal rules. A summary of these rules and the Facility's compliance status is presented in the table below.

Federal Standard	Title	Applicability	Comments
MACT Supart DDDDD	Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	This subpart applies to industrial, commercial and institutional boilers and process heaters located at major sources of Hazardous Air Pollutants (HAP).	Not Applicable. The Facility is not a major source of hazardous air pollutants.
MACT Subpart ZZZZ	Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	This subpart establishes national emission limitations and operating limitations for HAP emissions from stationary reciprocating internal combustion engines located at major and area sources of HAP emissions.	Applicable.

NSPS Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	This subpart applies to manufacturers, owners, and operators of stationary compression ignition internal combustion engines (ICE).	Not Applicable. The Facility does not have any compression ignition engines on site
NSPS Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	This subpart applies to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) based on the date the engine was constructed.	Applicable.
NSPS Subpart Kb	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	This subpart applies to storage vessels for petroleum liquids which has a storage capacity greater than 420,000 gallons that were constructed after July 23, 1984 and are prior to custody transfer.	Not Applicable. No applicable liquid storage vessels present at the site.
NSPS Subpart OOOOa	Standards of Performance for Crude Oil and Natural Gas Facilities	This subpart establishes emission standards and compliance schedules for control of volatile organic compounds (VOC) and methane emissions from affected facilities that commence construction, modification or reconstruction after September 18, 2015.	Applicable

MACT Subpart HH	Nation Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	This subpart applies to oil and gas production facilities located at area sources and major sources of HAP emissions. For area sources of HAP emissions, the rule applies to triethylene glycol (TEG) dehydration units for which controls are required at certain trigger levels.	Applicable.
NSPS Subpart KKKK	Standards of Performance for New Stationary Combustion Turbines.	This subpart applies to manufacturers, owners, and operators of turbines.	Not Applicable. The Facility does not have any turbines on site.

Figures



LEGEND:

○ PROPOSED LOCATION



EOG RESOURCES, INC.

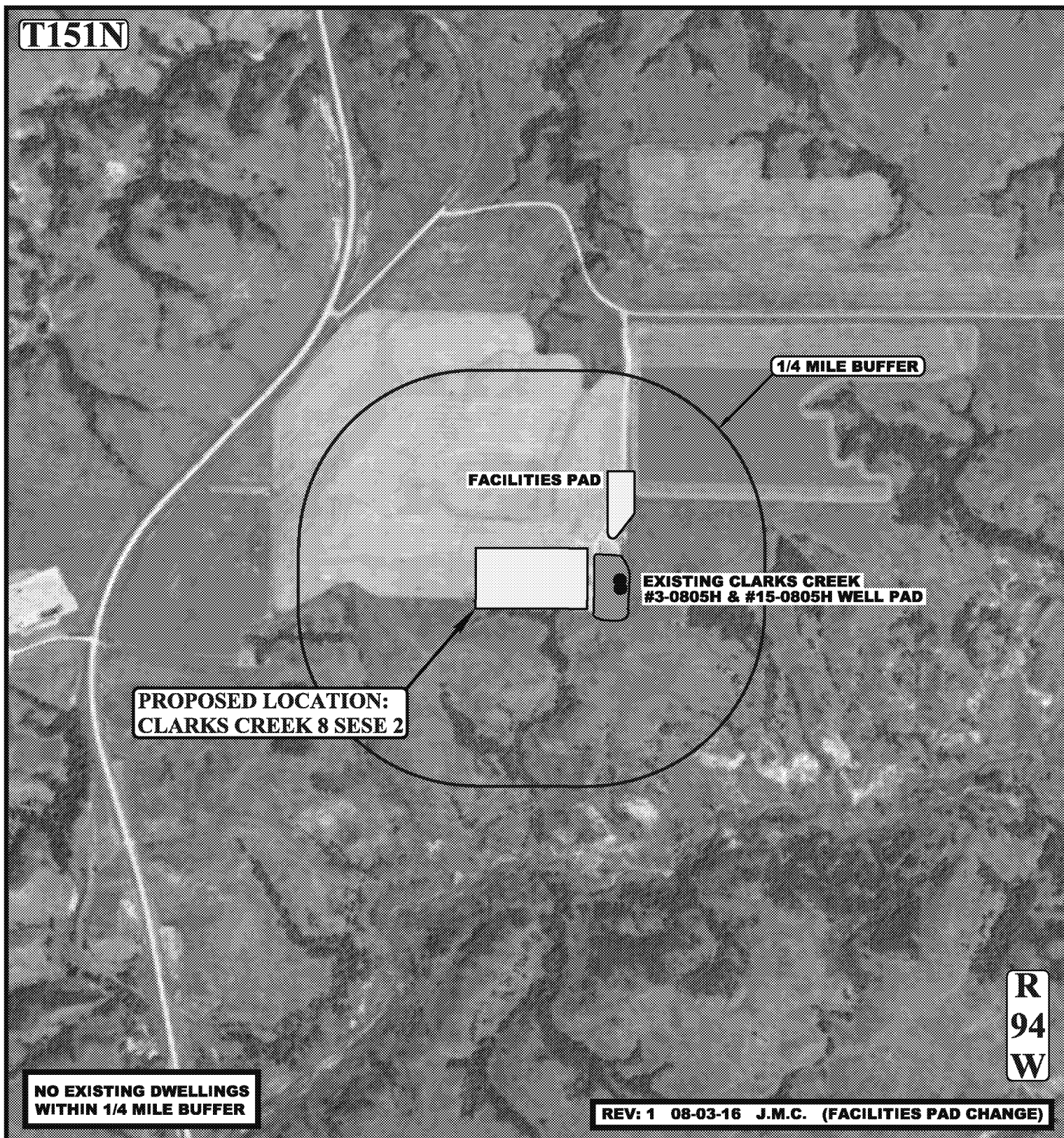
**CLARKS CREEK 8 SESE 2
SECTION 8, T151N, R94W, 5th P.M.
SE 1/4 SE 1/4**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: J.H.	DATE DRAWN: 10-21-09
SCALE: 1:100,000	REVISED: 02-06-15 T.I.
ACCESS ROAD MAP	TOPO A

T151N



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

EOG RESOURCES, INC.

**CLARKS CREEK 8 SESE 2
SECTION 8, T151N, R94W, 5th P.M.
SE 1/4 SE 1/4**

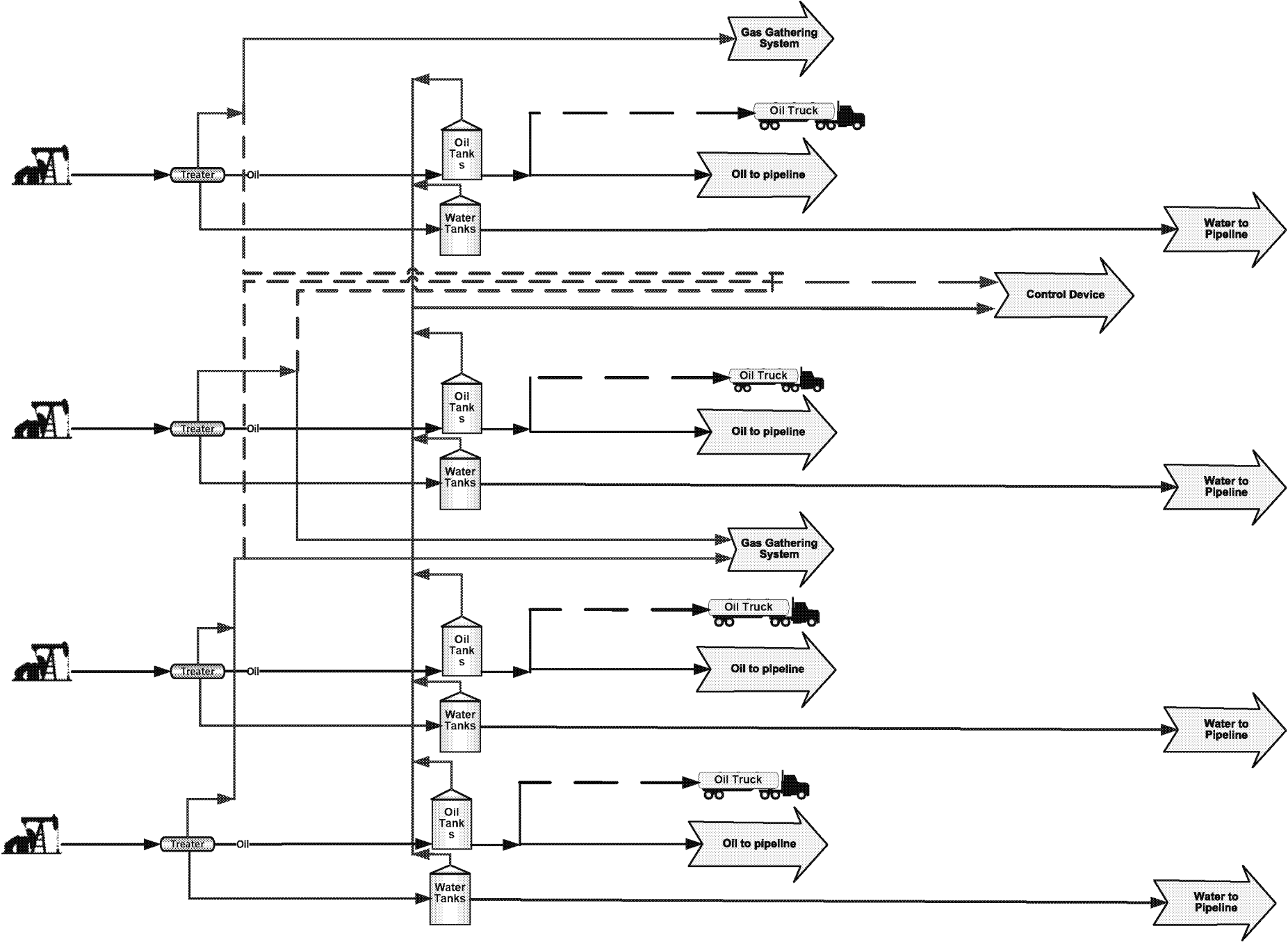


UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



DRAWN BY: T.L.	DATE DRAWN: 02-06-15
SCALE: 1" = 1000'	
AERIAL MAP	TOPO 1

Example Process Flow Diagram
Clarks Creek 8 SESE PAD
McKenzie County, ND



Dashed Lines Represent Secondary Option

Appendix A
Part 1 Registration Form
(EPA Form No. 5900-390)



United States Environmental Protection Agency

<https://www.epa.gov/tribal-air/tribal-minor-new-source-review>

April 29, 2019

Part 1: Submit 30 Days Prior to Beginning Construction -- General Facility Information

FEDERAL IMPLEMENTATION PLAN FOR TRUE MINOR SOURCES IN INDIAN COUNTRY IN THE OIL AND NATURAL GAS PRODUCTION AND NATURAL GAS PROCESSING SEGMENTS OF THE OIL AND NATURAL GAS SECTOR

Registration for New True Minor Oil and Natural Gas Sources and Minor Modifications at Existing True Minor Oil and Natural Gas Sources

Please submit information to:

[Reviewing Authority]

Address

Phone]

Environmental Protection Agency
U.S. EPA, Region 8
1595 Wynkoop Avenue, 8P-AR
Denver, Colorado 80202-1129

A. GENERAL SOURCE INFORMATION (See Instructions Below)

1. Company Name EOG Resources, Inc.		2. Source Name Clarks Creek 8 SESE	
3. Type of Oil and Natural Gas Operation Oil & Gas Well Site		4. New Minor Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		5. Minor Source Modification? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
6. NAICS Code 211120		7. SIC Code 1311	
8. U.S. Well ID(s) or API Number(s) [if applicable] See attached well list			
9. Area of Indian Country Fort Berthold	10. County McKenzie	11a. Latitude 47.9092	11b. Longitude -102.7296

Clarks Creek 08 SESE Well List with API numbers

Well Name	API Number	New/Existing
Clarks Creek 3-0805H	33-053-03320	EXISTING
Clarks Creek 15-0805H	33-053-03535	EXISTING
Clarks Creek 41-0805H	33-053-07918	NEW
Clarks Creek 42-0805H	33-053-07919	NEW

B. CONTACT INFORMATION (See Instructions Below)

1. Owner Name Mathew Oliver		Title Environmental Manager	
Mailing Address 600 17th St, Suite 1000N, Denver, CO 80202			
Email Address mathew_oliver@eogresources.com			
Telephone Number 303-262-9915		Facsimile Number	
2. Operator Name (if different from owner)		Title	
Mailing Address			
Email Address			
Telephone Number		Facsimile Number	
3. Source Contact Mathew Oliver (see above)		Title	
Mailing Address			
Email Address			
Telephone Number		Facsimile Number	

4. Compliance Contact Mathew Oliver (see above)		Title	
Mailing Address			
Email Address			
Telephone Number		Facsimile Number	

C. ATTACHMENTS

Include all of the following information as attachments to this form:

- ☒ Narrative description of the operations.
- ☒ Identification and description of all emission units and air pollution generating activities (with the exception of the exempt emissions units and activities listed in §49.153(c).
- ☒ Identification and description of any air pollution control equipment and compliance monitoring devices or activities that are expected to be used at the facility.
- ☒ Estimated operating schedules.
- ☒ If satisfying the requirements under §49.104(a)(1), documentation that another federal agency has complied with its requirements under the Endangered Species Act (ESA) and the National Historic Preservation Act (NHPA) when authorizing the activities for the facility/activity covered under this registration. The appropriate documents shall clearly show that the other federal agency had met its obligations under both the ESA and NHPA. A simple reference to a Record of Decision or other final decision document will not be acceptable. Examples of acceptable documentation would be a letter from the U.S. Fish and Wildlife Service field office (for ESA) or a historic preservation office (for NHPA) stating they agree with the assessment conducted by the other federal agency for the subject project and that the requirements of those statutes have been met. The documentation shall be submitted within the Part 1 registration.
- ☐ If satisfying the requirements under §49.104(a)(2), the letter provided by the Reviewing Authority indicating satisfactory completion of the specified screening procedures to address threatened or endangered species and historic properties. The documentation shall be submitted under the Part 1 registration. (The procedures are contained in the following document: "Procedures to Address Threatened or Endangered Species and Historic Properties for the Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector," <https://www.epa.gov/tribal-air/tribal-minor-new-source-review>).
- ☐ Other.

Instructions for Part 1

Please answer all questions. If the item does not apply to the source and its operations write "n/a". If the answer is not known write "unknown".

A. General Source Information

1. Company Name: Provide the complete company name. For corporations, include divisions or subsidiary name, if any.
2. Source Name: Provide the source name. Please note that a source is a site, place, or location that may contain one or more air pollution emitting units.
3. Type of Operation: Indicate the generally accepted name for the oil and natural gas production or natural gas processing segment operation (e.g., oil and gas well site, tank battery, compressor station, natural gas processing plant).
4. New True Minor Source: [Per Federal Indian Country Minor New Source Review Rule, 40 CFR 49.153].
5. True Minor Source Modification: [Per Federal Indian Country Minor New Source Review Rule, 40 CFR 49.153].
6. North American Industry Classification System (NAICS): The NAICS Code for your oil and natural gas source can be found at the following link for North American Industry Classification System:
<http://www.census.gov/eos/www/naics/>.
7. Standard Industrial Classification Code (SIC Code): Although the new NAICS code has replaced the SIC codes, much of the Clean Air Act permitting processes continue to use these codes. The SIC Code for your oil and natural gas source can be found at the following link for Standard Industrial Classification Codes:
http://www.osha.gov/pls/imis/sic_manual.html.
8. U.S. Well ID or API Number: Unique well identifier as assigned by the Federal or State oil and gas regulatory agency with primacy, using the American Petroleum Institute (API) Standard for number format (pre-2014) or the Professional Petroleum Data Management (PPDM) Association US Well Number Standard (2014-present). Provide IDs for all oil and natural gas production wells associated with the facility, if applicable. May not be applicable for downstream production sources, such as compressor stations.
9. Area of Indian Country: Provide the name of the Indian reservation within which the source is operating.
10. County: Provide the County within which the source is operating.
11. Latitude & Longitude (11a. and 11b.): Provide latitude and longitude location(s) in decimal degrees, indicating the datum used in parentheses. These are GPS (global positioning system) coordinates. This information should be provided in decimal degrees with 6 digits to the right of the decimal point, indicating the datum used in parentheses (i.e., NAD 27, NAD 83, WGS 84 – WGS 84 is preferred over NAD 27).

B. Contact Information

Please provide the information requested in full.

1. Owners: List the full name (last, middle initial, first) of all owners of the source.
2. Operator: Provide the name of the operator of the source if it is different from the owner(s).
3. Source Contact: The source contact must be the local contact authorized to receive requests for data and information.
4. Compliance Contact: The compliance contact must be the local contact responsible for the source's compliance with this rule. If this is the same as the Source Contact please note this on the form.

C. Attachments

The information requested in the attachments will enable the U.S. Environmental Protection Agency (EPA) to understand the type of oil and natural gas source being registered.

Disclaimers:

The public reporting and recordkeeping burden for this collection of information is estimated to average 6 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Information in these forms submitted in compliance with the final Federal Indian Country Minor New Source Review rule may be claimed as confidential. A company may assert a claim of confidentiality for information submitted by clearly marking that information as confidential. Such information shall be treated in accordance with EPA's procedures for information claimed as confidential at 40 CFR part 2, subpart B, and will only be disclosed by the means set forth in the subpart. If no claim of confidentiality accompanies the report when it is received by EPA, it may be made public without further notice to the company (40 CFR 2.203).

Appendix B

**Procedures to Address Threatened and
Endangered Species and Historic Properties**

Procedures to Address Threatened and Endangered Species and Historic Properties for the Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Natural Gas Sector

Section 1: Contact Information

Business name: EOG Resources, Inc.	Site address: Clarks Creek 8 SESE 2 Section 8, T151N , R94W, 5th P.M. SE 1/4 SE 1/4 Lat/Long: 47.9092/ -102.7296
Send all correspondence regarding this evaluation to (mailing address): 600 17th St, Suite 1000N Denver, CO 80202	Contact for this notification: Name: Mathew Oliver Phone: (303) 262-9915 Email: mathew_oliver@eogresources.com

Section 2: Evaluation of Threatened and Endangered Species and Historic Properties

1. Threatened or Endangered Species

Please indicate under which criterion in Appendix A you satisfy after evaluating the effects on threatened or endangered species as a result of your construction, modification or operation of your new or modified minor source of air pollutants. Be sure to include all documentation identified in Appendix A with this evaluation.


☐ A ☐ B ☐ C ☒ D ☐ E

2. Historic Properties

Please indicate under which criterion in Appendix B you satisfy after evaluating the effects to historic properties as a result of your construction, modification or operation of your new or modified minor source of air pollutants? Be sure to include all documentation identified in Appendix B with this evaluation.

☒ No historic properties affected ☐ No adverse effects ☐ Adverse effects

Section 3: Signature

Name:  (Signature)	Name: Mathew Oliver (Print or Type)
Title: Environmental Manager	Date: 7/3/2019



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Great Plains Regional Office
115 Fourth Avenue S.E., Suite 400
Aberdeen, South Dakota 57401

IN REPLY REFER TO
DESCRM
MC-208

SEP 29 2015

MEMORANDUM

TO: Superintendent, Fort Berthold Agency

FROM: Regional Director, Great Plains Region *Marilyn Bercier*

SUBJECT: Environmental Assessment and Finding of No Significant Impact

In compliance with the regulations of the National Environmental Policy Act (NEPA) of 1969, as amended, an Environmental Assessment (EA) as been completed and a Finding of No Significant Impact (FONSI) has been issued. The EA authorizes administrative approvals for the North Antelope Infill, located on the Fort Berthold Indian Reservation.

All the necessary requirements of the National Environmental Policy Act have been completed. Attached for your files is a copy of the EA, FONSI and Notice of Availability. The Council on Environmental Quality (CEQ) regulations require that there be a public notice of availability of the FONSI (40 C.F.R. Section 1506.6(b)). Please post the attached notice of availability at the Agency and Tribal buildings for 30 days.

If you have any questions, please call Marilyn Bercier, Regional Environmental Scientist, Division of Environment, Safety and Cultural Resources Management, at (605) 226-7656.

Attachment

cc: Mark Fox, Chairman, Three Affiliated Tribes (with attachment)
Elgin Crows Breast, Tribal Historic Preservation Officer (with attachment)
Daniel Velder, Bureau of Land Management (with attachment)
Eric Wortman, EPA (with attachment)
Chad Baker, SWCA (with attachment)
Carson Hood/Fred Fox, MHA Energy Dept. (with attachment)
Jonathon Shelman, Corps of Engineers (e-mail)
Jeff Hunt, Office of Indian Energy (e-mail)

Finding of No Significant Impact

**EOG Resources, Inc.
Environmental Assessment for**

**North Antelope Infill
Fort Berthold Indian Reservation
McKenzie County, North Dakota**

The U.S. Bureau of Indian Affairs (BIA) has received a proposal to drill up to 81 horizontal oil and gas wells on one new well pad and six existing well pads located within the North Antelope (Infill wells) field on in allotted lands within the Fort Berthold Indian Reservation. Three of the existing well pads would be expanded to accommodate the proposed wells; no additional disturbance would be required for the remaining three existing well pads. The project area is located in McKenzie County, North Dakota, approximately 15 to 20 miles north of Mandaree, North Dakota. U.S. Highways 22 and 23 and BIA Route 27 provide access to the proposed access roads and well pads from Mandaree. The proposed well pad locations are summarized as follows:

Well Pad Name	Surface Location	Proposed Wells	
Hawkeye 25 NENE 1 (No Expansion Required)	Section 25, Township (T) 152 North (N), Range (R) 95 West (W)	Hawkeye 131-2536H Hawkeye 132-2536H Hawkeye 133-2536H Hawkeye 134-2536H	Hawkeye 123-2536H Hawkeye 124-2536H Hawkeye 125-2536H
Hawkeye 25 NENW 1 (No Expansion Required)	Section 25, T152N, R95W	Hawkeye 5-2536H Hawkeye 135-2536H Hawkeye 136-2536H Hawkeye 137-2536H Hawkeye 138-2536H	Hawkeye 139-2536H Hawkeye 119-2536H Hawkeye 120-2536H Hawkeye 121-2536H Hawkeye 122-2536H
Hawkeye 24 SESE 1 No Expansion Required)	Section 24, T152N, R95W	Hawkeye 126-2413H Hawkeye 128-2413H Hawkeye 130-2413H	Hawkeye 127-2413H Hawkeye 129-2413H
Riverview 30 NWNW 1 (Expansion Required)	Section 30, T152N, R94W	Riverview 128-3031H Riverview 129-3031H Riverview 130-3031H Riverview 131-3031H Riverview 132-3031H Riverview 127-3031H	Riverview 20-3031H Riverview 21-3031H Riverview 22-3031H Riverview 23-3031H Riverview 24-3031H Riverview 25-3031H Riverview 26-3031H
Riverview 31 SWSE 1 (Expansion Required)	Section 31, T152N, R94W	Riverview 7-3130H Riverview 125-3130H Riverview 124-3130H Riverview 123-3130H Riverview 122-3130H Riverview 121-3130H Riverview 126-3130H	Riverview 19-3130H Riverview 18-3130H Riverview 17-3130H Riverview 16-3130H Riverview 15-3130H Riverview 14-3130H Riverview 13-3130H

Well Pad Name	Surface Location	Proposed Wells	
Clarks Creek 8 SESE 2 (Proposed New)	Section 8, T151N, R94W	Clarks Creek 43-0805H	Clarks Creek 134-0805H
		Clarks Creek 42-0805H	Clarks Creek 133-0805H
		Clarks Creek 41-0805H	Clarks Creek 132-0805H
		Clarks Creek 40-0805H	Clarks Creek 131-0805H
		Clarks Creek 39-0805H	Clarks Creek 130-0805H
		Clarks Creek 38-0805H	Clarks Creek 129-0805H
		Clarks Creek 37-0805H	Clarks Creek 117-0805H
		Clarks Creek 36-0805H	Clarks Creek 116-0805H
		Clarks Creek 23-0805H	Clarks Creek 115-0805H
Clarks Creek 8 SWSW 1 (Expansion Required)	Section 8, T151N, R94W	Clarks Creek 124-0805H	Clarks Creek 31-0805H
		Clarks Creek 123-0805H	Clarks Creek 30-0805H
		Clarks Creek 122-0805H	Clarks Creek 29-0805H
		Clarks Creek 121-0805H	Clarks Creek 28-0805H
		Clarks Creek 120-0805H	Clarks Creek 27-0805H
		Clarks Creek 119-0805H	Clarks Creek 26-0805H
		Clarks Creek 118-0805H	Clarks Creek 25-0805H

Associated federal actions by BIA include determinations of effect regarding environmental resources and positive recommendations to the Bureau of Land Management regarding the Applications for Permit to Drill.

The potential of the proposed action to impact the human environment is analyzed in the following Environmental Assessment (EA), as required by the National Environmental Policy Act. Based on the EA, I have determined that the proposed project will not significantly affect the quality of the human or natural environment. No Environmental Impact Statement is required for any portion of the proposed activities.

This determination is based on the following factors:

1. Agency and public involvement solicited for the preceding NEPA document was sufficient to ascertain potential environmental concerns associated with the currently proposed project.
2. Protective and prudent measures were designed to minimize impacts to air, water, soil, vegetation, wetlands, wildlife, public safety, water resources, and cultural resources. The remaining potential for impacts was disclosed for both the proposed action and the No Action alternatives.
3. Guidance from the U.S. Fish and Wildlife Service has been fully considered regarding wildlife impacts, particularly in regard to threatened or endangered species. This guidance includes the Migratory Bird Treaty Act (16 U.S.C. 703 et seq.) (MBTA), the National Environmental Policy Act of 1969, as amended (42 U.S.C. 4321 et seq.) (NEPA), the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d, 54 Stat. 250) (BGEPA), Executive Order 13186 "Responsibilities of Federal Agencies to Protect Migratory Birds", and the Endangered Species Act (16 U.S.C. 1531 et seq.) (ESA).
4. The proposed action is designed to avoid adverse effects to historic, archaeological, cultural and traditional properties, sites and practices. Compliance with the procedures of the National Historic Preservation Act is complete.
5. Environmental justice was fully considered.
6. Cumulative effects to the environment are either mitigated or minimal.
7. No regulatory requirements have been waived or require compensatory mitigation measures.
8. The proposed project will improve the socio-economic condition of the affected Indian community.


Regional Director

9/29/15
Date

Notice of Availability

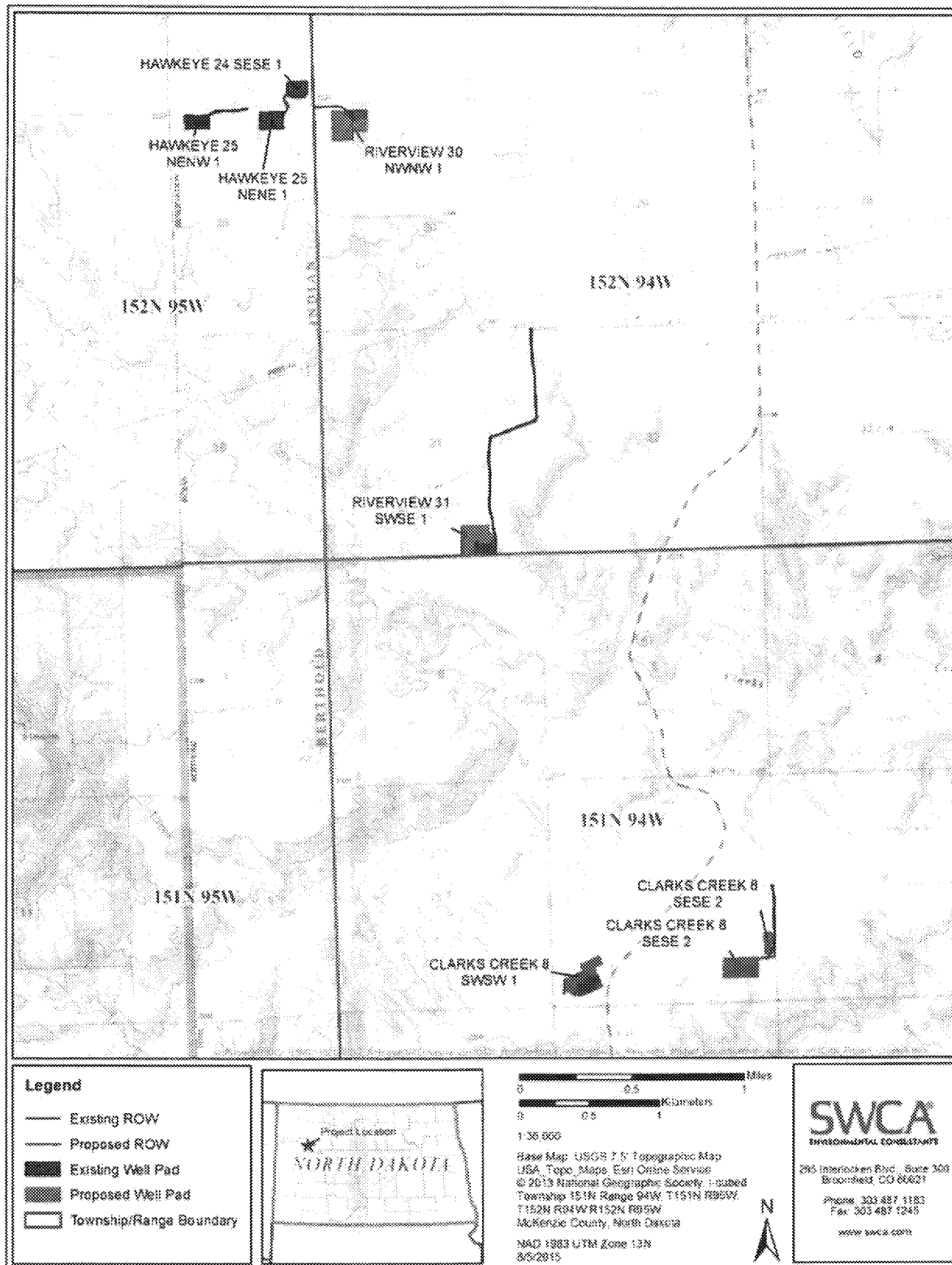
EOG Resources, Inc.: North Antelope Infill

The Bureau of Indian Affairs (BIA) is planning to issue administrative approvals related to the North Antelope Infill located on the Berthold Reservation as shown on the attached map. Construction by EOG is expected to begin in 2015.

An environmental assessment (EA) determined that proposed activities will not cause significant impacts to the human environment. An environmental impact statement is not required. Contact the Agency Superintendent at 701-627-6570 for more information and/or copies of the EA and the Finding of No Significant Impact (FONSI).

The FONSI is only a finding on environmental impacts – it is not a decision to proceed with an action and *cannot* be appealed.

Project locations.

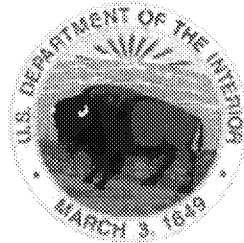


ENVIRONMENTAL ASSESSMENT

**United States Department of the Interior
Bureau of Indian Affairs
Great Plains Regional Office
Aberdeen, South Dakota**

Cooperating Agency:

**Bureau of Land Management
North Dakota State Office
Dickinson, North Dakota**



**EOG Resources, Inc.
North Antelope Infill**

September 2015

**For information contact:
Bureau of Indian Affairs, Great Plains Regional Office
Division of Environment, Safety and Cultural Resources Management
115 4th Avenue SE, Aberdeen, South Dakota 57401
(605) 226-7656**



SWCA Environmental Consultants
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Bismarck, ND 58501

North Dakota Negative Results Cultural Resource Report

<i>Date of Report:</i>	March 19, 2013
<i>Project Name/Report Title:</i>	A Class I and Class III Cultural Resource Inventory of the Clarks Creek #3-0805H & #15-0805H Well Pad Expansion, Fort Berthold Indian Reservation, McKenzie County, North Dakota
<i>Project Proponent/Sponsor:</i>	EOG Resources, Inc. (EOG), 600 Seventeenth Street, Suite 1100N Denver, Colorado 80202
<i>Lead Agency:</i>	Bureau of Indian Affairs, Great Plains Regional Office
<i>SWCA Project Number:</i>	15670
<i>Principal Investigator:</i>	Michael J. Retter
<i>Author of Report:</i>	Michelle Homan
<i>Persons Performing Fieldwork:</i>	Cole Wandler and Craig Picka, SWCA Environmental Consultants (SWCA)
<i>Date of Fieldwork:</i>	October 24, 2012
<i>Acres/Area Inventoried:</i>	Clarks Creek #3-0805H & #15-0805H Well Pad Expansion
	<i>Total Area Inventoried</i> 12.14 acres
	<i>Well Pad Survey Area</i> 12.14 acres
	<i>Proposed Well Pad Expansion Area</i> 2.15 acres
<i>Legal Locations</i>	Center of SE¼ SE¼ Section 8, Township (T) 151 North (N), Range (R) 94 West (W), McKenzie County, North Dakota
<i>ND Prehistoric Study Unit:</i>	Garrison
<i>ND Historic Study Unit:</i>	22

Location Descriptions

The proposed Clarks Creek #3-0805H & #15-0805H well pad expansion project is located on allotted tribal lands within the boundaries of the Fort Berthold Indian Reservation in McKenzie County, North Dakota. The project is located approximately 8.5 miles southwest of Four Bears Village, North Dakota, and approximately 0.7 mile east of Highway 22. Clarks Creek, which is approximately 1.3 miles north of the project location, is the closest permanent water source. The proposed well pad expansion area is currently used for pasture land and the vegetation within the project area consists of native mixed grass prairie species, buffaloberry, winter snowberry, and needlegrass.

Project Description

SWCA conducted a Class I and Class III cultural resource inventory on behalf of EOG. The proposed project will involve the mechanical excavation and construction of the proposed Clarks Creek #3-0805H & #15-0805H well pad expansion. EOG proposes to expand the existing Clarks Creek #3-0805H & #15-0805H well pad to accommodate two additional wells; the expansion is anticipated to impact a 2.15-acre area. The completed well pad will contain four wells. Acreage surveyed for the project includes a 12.14-acre rectangle-shaped block area surrounding the proposed 2.15-acre well pad expansion. As proposed, the project will remain entirely within the inventoried area.

Files/Records Search Results

As part of the initial phase of this investigation, SWCA conducted a background search of archaeological and historical literature and records for the project area and surrounding 1-mile area. Researchers reviewed relevant record holdings at the State Historical Society of North Dakota for information regarding previously recorded historical and prehistoric sites located within the project area. The search was conducted for the project location on August 31, 2012.

Nineteen previous cultural resource inventories have been conducted in this area between 1980 and 2011 (Table 1). Research results identified 11 previously recorded prehistoric cultural resource sites within 1 mile of the project area (Table 2).

The prehistoric sites include four cairn sites (32MZ522, 32MZ2186, 32MZ2212, and 32MZ2246), three cultural material scatters (32MZ666, 32MZ700, and 32MZ2245), three stone circle sites (32MZ523, 32MZ2235, and 32MZ2237), and one cairn and stone circle site (32MZ2244). Nine of the sites (32MZ522, 32MZ523, 32MZ2186, 32MZ2212, 32MZ2235, 32MZ2237, 32MX2244, 32MZ2245, and 32MZ2246) remain unevaluated regarding their National Register of Historic Places (NRHP) eligibility status. Two sites (32MZ666 and 32MZ700) have been recommended not eligible for nomination to the NRHP. No previously recorded cultural resources are located within the inventory area.

Table 1. Previous Cultural Resource Inventories Identified within 1 Mile of Project Area.

Manuscript Number	Location	Title	Author	Year
893	Section 6, T151N, R94W	An Intensive Cultural Resource Survey of the Tenneco Olive #1-6 Well Location, McKenzie County, North Dakota	Rydalch, B., and K. McConnell	1980
2429	Section 18, T151N, R94W	Williams Exploration, #1-18 Heart, Well Pad and Access Route Survey, McKenzie Co., ND	Rippeteau, B.	1981

A Class I and Class III Cultural Resource Inventory of the Clarks Creek #3-0805H & #15-0805H Well Pad Expansion, Fort Berthold Indian Reservation, McKenzie County, North Dakota

Manuscript Number	Location	Title	Author	Year
2430	Section 18, T151N, R94W	Williams Exploration, #1-18 Heart Relocation, Well Pad and Access Route Survey, McKenzie Co., ND	Rippeteau, B.	1981
3223	Sections 5, 8, 17, T151N, R94W	A Class III Cultural Resource Inventory of North Dakota Highway 22: From Lost Bridge to the Junction of North Dakota Highway 23 in Dunn and McKenzie Counties, North Dakota	Fox, G.	1984
3298	Sections 17, 18, T151N, R94W	Williams Exploration Goodall 13-19, McKenzie County, ND	Floodman, M.	1983
3353	Section 18, T151N, R94W	Cultural Resource Inventory for Williams Exploration Heart 42-18 Well Location, 600' X-800', McKenzie Co., ND	Zier, C.	1982
3355	Section 18, T151N, R94W	Cultural Resource Inventory for Williams Exploration Heart 22-18 Well Location, 600' X 600', McKenzie Co., ND	Zier, C.	1982
3857	Section 4, T151N, R94W	A Cultural Resource Inventory of Arma Geophysical Antelope and Spotted Horn Prospects, Fort Berthold Indian Reservation, McKenzie Co., North Dakota (UW# 845)	Christensen, R., and D. Kuehn	1985
4797	Sections 6, 7, 18, T151N, R94W	Class I Cultural Resource Inventory of Raymond T. Duncan Oil Properties Spotted Horn Unit Area, McKenzie County, North Dakota	Welch, J.	1989
4939	Section 6, T151N, R94W	Class III Cultural Resource Inventory of Raymond T. Duncan Oil Properties Olive Wells #1-6 Re-entry Well and Access Road, McKenzie County, North Dakota	Welch, J.	1989
5043	Section 17, T151N, R94W	The Roger Bird Bear Homesite and the Fort Berthold Communications Enterprise Newspaper Facility: Intensive Cultural Resources Inventories of Proposed Projects for the Fort Berthold Agency, McKenzie County, North Dakota	Chevance, N.	1990
5220	Sections 5, 7, T151N, R94W	Frontier Exploration, Inc. Seismic Lines: #90-BY9-101, #90-BY9-102, #90-BY9-103, #90-BY9-104, and #90-BY9-105 Cultural Resources Inventory McKenzie County, North Dakota	Olson, B.	1990

A Class I and Class III Cultural Resource Inventory of the Clarks Creek #3-0805H & #15-0805H Well Pad Expansion, Fort Berthold Indian Reservation, McKenzie County, North Dakota

Manuscript Number	Location	Title	Author	Year
5778	Section 17, T151N, R94W	I'll Huff and I'll Puff and HUD Will Blow These Houses Down: A Cultural Resources Inventory of 27 Mutual Self-Help Homesites, Ft. Berthold Agency, Dunn, McKenzie, McLean, Mercer, and Mountrail Counties, North Dakota	Banks, K.	1988
10791	Sections 5, 8, 17, T151N, R94W	Saddle Butte Pipeline: A Class III Cultural Resource Inventory, McKenzie and Dunn Co., ND	Burns, W.	2008
12149	Section 7, T151N, R94W	A Class I and Class III Cultural Resource Inventory of the EOG Clarks Creek 11-0706H, 12-0719H, and 16-0705H Well Pad, McKenzie Co., ND	Lechert, S.	2011
12479	Section 7, T151N, R94W	A Class I and Class III Cultural Resource Inventory of the EOG Clarks Creek Yard, McKenzie Co., ND	Leroy, A.	2011
12733	Sections 5, 6, 7, 8, 16, 17, T151N, R94W	Clarks Creek Natural Gas Gathering Line: A Class III Cultural Resource Inventory, McKenzie County, North Dakota	Mitchell, M., and J. Macy	2011
12762	Sections 5, 6, 7, 8, 9, 16, 17, 18, T151N, R94W	RTA Main Natural Gas Gathering Line: A Class III Cultural Resource Inventory, McKenzie County, North Dakota	Asbury, S., and J. Macy	2011
12975	Sections 16, 17, T151N, R94W	A Class I and Class III Cultural Resource Inventory of the Blues Buttes Lateral Pipeline, Fort Berthold Indian Reservation, McKenzie County, North Dakota	Baer, S., A. Hutchinson, and J. Nagra	2011

Table 2. Previously Recorded Sites Identified within 1 Mile of Project Area

Site Number	Location	Site Type(s)	Cultural Affiliation	NRHP Eligibility
32MZ522	Section 18, T151N, R94W	Cairn	Unknown Prehistoric	Unevaluated
32MZ523	Section 18, T151N, R94W	Stone Circles	Unknown Prehistoric	Unevaluated
32MZ666	Section 17, T151N, R94W	Cultural Material Scatter	Late Prehistoric	Not Eligible
32MZ700	Section 17, T151N, R94W	Cultural Material Scatter	Unknown Prehistoric	Not Eligible
32MZ2186	Section 7, T151N, R94W	Cairn	Unknown Prehistoric	Unevaluated
32MZ2212	Section 7, T151N, R94W	Cairns	Unknown Prehistoric	Unevaluated

A Class I and Class III Cultural Resource Inventory of the Clarks Creek #3-0805H & #15-0805H Well Pad Expansion, Fort Berthold Indian Reservation, McKenzie County, North Dakota

Site Number	Location	Site Type(s)	Cultural Affiliation	NRHP Eligibility
32MZ2235	Section 18, T151N, R94W	Stone Circle	Unknown Prehistoric	Unevaluated
32MZ2237	Section 5, T151N, R94W	Stone Circle	Unknown Prehistoric	Unevaluated
32MZ2244	Sections 8, 9, T151N, R94W	Cairn and Stone Circle	Unknown Prehistoric	Unevaluated
32MZ2245	Section 8, T151N, R94W	Cultural Material Scatter	Unknown Prehistoric	Unevaluated
32MZ2246	Section 8, T151N, R94W	Cairns	Unknown Prehistoric	Unevaluated

NRHP = National Register of Historic Places

Field Methods and Survey Conditions

A Class III cultural resource inventory was conducted for the proposed Clarks Creek #3-0805H & #15-0805H well pad expansion on October 24, 2012, by Cole Wandler and Craig Picka, SWCA archaeologists. Pedestrian survey methods, including parallel and sinuous transects spaced at no more than 30 meters apart, were used to cover the 12.14-acre survey area. Bare ground surface visibility ranged from 25 to 50 percent at the time of survey. Previous disturbances to the project area include erosion, grazing, and the nearby presence of oil and gas exploration activities.

Photographs were taken and global positioning system (GPS) tracks and points were collected for the well pad expansion location. Notes were also taken during the inventory, and all photographs, GPS and geographic information systems data, and notes are on file at SWCA's Denver, Colorado, office under project number 15670. A map showing the inventoried project location is attached, as are photographs of the project area.

In total, 12.14 acres were inventoried by SWCA for the proposed project area.

Results and Recommendations

No cultural resources were observed during the course of the inventory. Based on the negative findings, it is recommended that the project be granted a determination of *No Historic Properties Affected* and that it be granted clearance to proceed as planned.

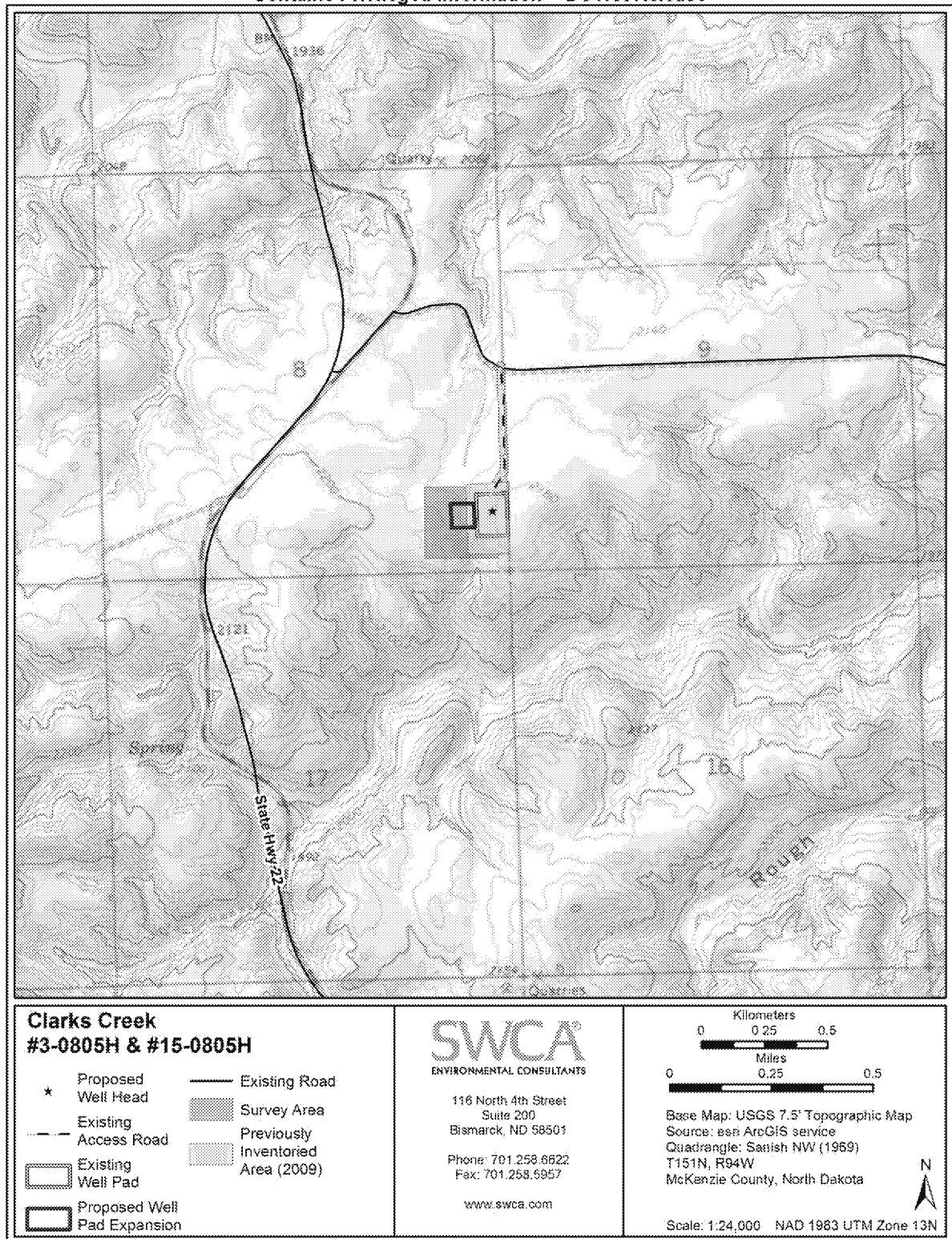


- Overview of project area from northwest corner of the inventory area, facing southeast.
- Photographed by C. Picka.
- Photograph taken October 24, 2012.
- Image has not been altered.



- Overview of project area from southwest corner of the inventory area, facing northeast.
- Photographed by C. Picka.
- Photograph taken October 24, 2012.
- Image has not been altered.

Contains Privileged Information -- Do Not Release



Project location map at 1:24,000-scale showing inventoried area.
(Sanish NW [1969], ND, U.S. Geological Survey 7.5' Quadrangle)